

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 April 2001 (05.04.2001)

PCT

(10) International Publication Number
WO 01/23417 A3

(51) International Patent Classification⁷: C12N 15/12,
15/62, C07K 14/47, 16/18, C12Q 1/68, G01N 33/53,
A61K 38/17, 39/00

(21) International Application Number: PCT/EP00/09500

(22) International Filing Date:
27 September 2000 (27.09.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
9923154.0 30 September 1999 (30.09.1999) GB
0016839.3 7 July 2000 (07.07.2000) GB

(71) Applicant (for all designated States except US):
SMITHKLINE BEECHAM BIOLOGICALS S.A.
[BE/BE]; Rue de l'Institut 89, B-1330 Rixensart (BE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): VINALS Y DE BAS-
SOLS, Carlota [BE/BE]; SmithKline Beecham Biologi-
cals S.A., Rue de l'Institut 89, B-1330 Rixensart (BE).

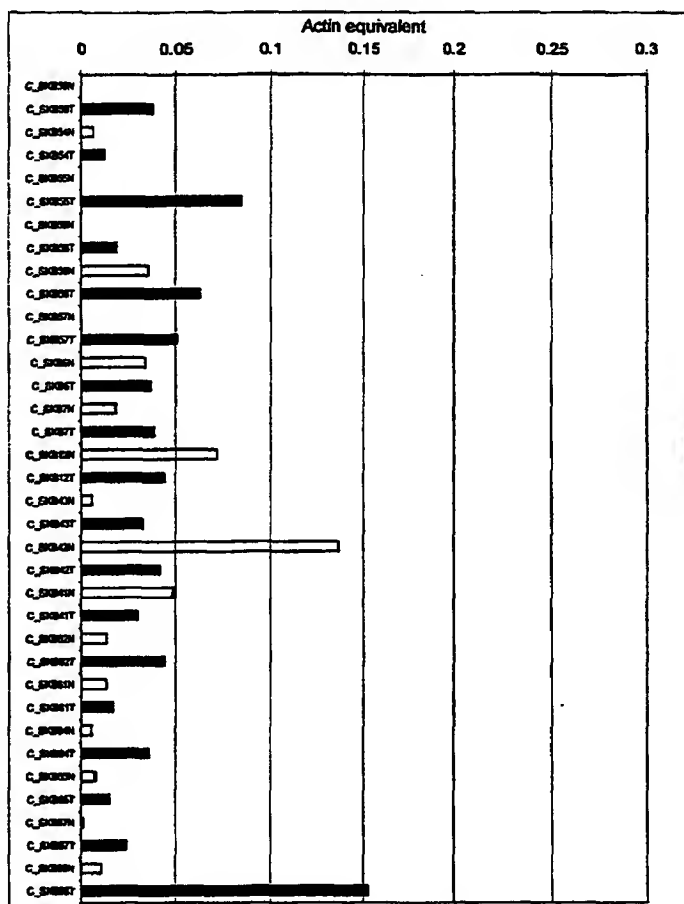
(74) Agent: PRIVETT, Kathryn, Louise; SmithKline
Beecham, Two New Horizons Court, Brentford, Middlesex
TW8 9EP (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian

[Continued on next page]

(54) Title: HUMAN TUMOR-ASSOCIATED LAK-4P RELATED POLYNUCLEOTIDES AND POLYPEPTIDES AND THEIR
USES



(57) Abstract: CASB6411 polypeptides and polynu-
cleotides and methods for producing such polypeptides
by recombinant techniques are disclosed. Also disclosed
are methods for utilizing CASB6411 polypeptides
and polynucleotides in diagnostics, and vaccines for
prophylactic and therapeutic treatment of cancers,
particularly ovarian and colon cancers, autoimmune
diseases, and related conditions.

WO 01/23417 A3



patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
17 May 2001

Published:

- With international search report.
- Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.